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Gly Lys Leu Tyr Ala Lys Lys Glu Cys Asn Glu Asp Cys Asn Phe Lys 125 Lys 135 Phe Lys 140 Lys 140 Lys 140 Asp Cys Asn Phe Lys 140 Lys 140 Asp Phe Lys Asp Phe Lys Asp Phe Lys 150 Asp Phe Lys Asp Phe Lys Asp Phe Lys Asp Phe Lys 150 Asp Phe Lys Gly Phe	_	Ile				_	Ser	_				Ala	_		_	_	388
Glu Leu Ile Leu Glu Asn His Tyr Asn Thr Tyr Ala Ser Ala Lys Trp 155 aca cac aac gga ggg gaa atg ttt gtt gcc tta aat caa aag ggg att 160 Thr His Asn Gly Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile 160 acct gta aga gga aaa aaa cga aga aag aac aaa aaa	Gly				_	Lys		_	_		Glu	_	_			Lys	436
Thr His Asn Gly Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile 160 Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile 165 Asn Gly Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile 165 Asn Gly Lys Lys Asn Asn Lys Lys Gln Pro Thr Phe 175 Asn Lys Lys Gln Pro Thr Phe 185 Asn Cys Leu Tyr Arg 1					Glu					Thr					Lys		484
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Arg Val Arg Arg Leu Phe Cys Arg Thr Gln Trp Tyr Leu Arg Ile Asp 75 80 Lys Arg Gly Lys Val Lys Gly Thr Gln Glu Met Lys Asn Asn Tyr Asn 90 95 Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala Ile Lys Gly 100 Val Glu Ser Glu Phe Tyr Leu Ala Met Asn Lys Glu Gly Lys Leu Tyr	Met 1	His Cys	Phe	Trp	Ile 5	Ile	Cys	Leu	Val	10 Gly	Thr	Ile	Ser	Leu	15 Ala		
Lys Arg Gly Lys Val Lys Gly Thr Gln Glu Met Lys Asn Asn Tyr Asn 85 90 95 Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala Ile Lys Gly 100 105 110 Val Glu Ser Glu Phe Tyr Leu Ala Met Asn Lys Glu Gly Lys Leu Tyr	Met 1 Ser	His Cys	Phe	Trp	Ile 5 Ile	Ile	Cys	Leu	Val 25	10 Gly	Thr	Ile	Ser Asn	Leu 30	15 Ala	Cys	
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Ala Lys Lys Glu Cys Asn Glu Asp Cys Asn Phe Lys Glu Leu Ile Leu 135 Glu Asn His Tyr Asn Thr Tyr Ala Ser Ala Lys Trp Thr His Asn Gly 145 150 155 160 Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile Pro Val Arg Gly 170 Lys Lys Arg Arg Lys Asn Lys Lys Gln Pro Thr Phe Phe Leu Trp Gln 185 <210> 3 <211> 606 <212> DNA <213> Homo sapiens <400> 3 gccgtcgaca gttattgcca taggaagaaa gtgggctgtt ttttgttctt tcttcgtttt 60 ttttcctctt acaggaatcc ccttttgatt taaggcaaca aacatttccc ctccgttgtg 120 tgtccattta gctgatgcat atgtgttgta atggttttca gaattagttc tttgaagtta 180 caatcttcat tgcattcttt ctttgcataq aqttttcctt ccttgttcat tgcaaqataq 240 aattcacttt ccacccttt gattgccaca attccaactg ccactgtcct gatttccatg 300 atattgtaat tattetteat etettgggte cettttaett tgeetetttt ategateete 360 aggcaccact gtgttcgaca gaagagtett etcactetta tateccetee ttecatgtaa 420 tcataacttc ttgtgtgtcg ctcagggctg gaacagttca catttgtagc catttgctct 480 ggagtcatgt cattgcaagc taaagatata gtacccacta gacagataat gtgaaagcat 540 gatctgtaga gcaaagttgg cgggatccat gtcagtatcc atttgtgcat ggtgggagat 600 ctggtg 606 <210> 4 <211> 166 <212> PRT <213> Homo sapiens <400> 4 Met His Lys Trp Ile Leu Thr Trp Ile Pro Pro Thr Leu Leu Tyr Arg Ser Cys Phe His Ile Ile Cys Leu Val Gly Thr Ile Ser Leu Ala Cys 25 Asn Asp Met Thr Pro Glu Gln Met Ala Thr Asn Val Asn Cys Ser Ser 35 40 Pro Glu Arg His Thr Arg Ser Tyr Asp Tyr Met Glu Gly Gly Asp Ile 55 Arg Val Arg Arg Leu Phe Cys Arg Thr Gln Trp Cys Leu Arg Ile Asp 75 Lys Arg Gly Lys Val Lys Gly Thr Gln Glu Met Lys Asn Asn Tyr Asn Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala Ile Lys Gly

105

Val Glu Ser Glu Phe Tyr Leu Ala Met Asn Lys Glu Gly Lys Leu Tyr 120 Ala Lys Lys Glu Cys Asn Glu Asp Cys Asn Phe Lys Glu Leu Ile Leu 130 135 140 Lys Thr Ile Thr Thr His Met His Gln Leu Asn Gly His Thr Thr Glu 150 155 Gly Lys Cys Leu Leu Pro 165 <210> 5 <211> 582 <212> DNA <213> Homo sapiens <400> 5 atgcacaaat ggatactgac atggatcctg ccaactttgc tctacagatc atgctttcac 60 attatetgte tagtgggtae tatatettta gettgeaatg acatgaetee agageaaatg 120 gctacaaatg tgaactgttc cagccctgag cgacacacaa gaagttatga ttacatggaa 180 ggaggggata taagagtgag aagactette tgtegaacae agtggtaeet gaggategat 240 aaaagaggca aagtaaaagg gacccaagag atgaagaata attacaatat catggaaatc 300 aggacagtgg cagttggaat tgtggcaatc aaaggggtgg aaagtgaatt ctatcttgca 360 atgaacaagg aaggaaaact ctatgcaaag aaagaatgca atgaagattg taacttcaaa 420 gaactaattc tggaaaacca ttacaacaca tatgcatcag ctaaatggac acacaacgga 480 ggggaaatgt ttgttgcctt aaatcaaaag gggattcctg taagaggaaa aaaaacgaag 540 aaagaacaaa aaacagccca ctttcttcct atggcaataa ct <210> 6 <211> 194 <212> PRT <213> Homo sapiens <400> 6 Met His Lys Trp Ile Leu Thr Trp Ile Leu Pro Thr Leu Leu Tyr Arq 5 Ser Cys Phe His Ile Ile Cys Leu Val Gly Thr Ile Ser Leu Ala Cys Asn Asp Met Thr Pro Glu Gln Met Ala Thr Asn Val Asn Cys Ser Ser 40 Pro Glu Arg His Thr Arg Ser Tyr Asp Tyr Met Glu Gly Gly Asp Ile 50 Arg Val Arg Arg Leu Phe Cys Arg Thr Gln Trp Tyr Leu Arg Ile Asp Lys Arg Gly Lys Val Lys Gly Thr Gln Glu Met Lys Asn Asn Tyr Asn 90 Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala Ile Lys Gly

105

100

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- Glu Asn His Tyr Asn Thr Tyr Ala Ser Ala Lys Trp Thr His Asn Gly
 145 150 155 160
- Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile Pro Val Arg Gly 165 170 175
- Lys Lys Thr Lys Lys Glu Gln Lys Thr Ala His Phe Leu Pro Met Ala 180 185 190

Ile Thr